Please take a look at http://www.arrl.org/tis/info/HTML/plc/ to see the extreme interference that BPL causes across the HF bands.

This is not limited to Amateur Radio, but will cause interference to commercial broadcast service, military and public service bands, as well. Especially dangerous is the potential harm to medical devices, as they will have no effective shielding against interference that comes in through the very power lines that supply the power for the devices to operate.